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| APPLICATION NO. | FI | ILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
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| 09/204,585 | 12/03/1998 | | MARC TREMBLAY | 004-3288 | 5684 | |
| 22120 | 7590 | 11/25/2003 | | EXAMINER | | |
| | | N & GRAHAM, L. | ENG, DAVID Y | | | |
| 7600B N. C. SUITE 350 | APITAL C | OF TEXAS HWY. | | ART UNIT | PAPER NUMBER | |
| AUSTIN, T | X 78731 | | 2155 | < | | |

DATE MAILED: 11/25/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Exercises for memby be widered work the provision of 37 CPR 1.75(a). In no event, however, may a reply be timely filed Exercised for reply specified above is less than thirty (30) days, a reply which the statutory minimum or thirty (30) days are considered streety. If the period for reply specified above is less than thirty (30) days, a reply which the statutory minimum or thirty (30) days when the considered streety. If No period for reply specified above is less than thirty (30) days, a reply which the statutory minimum or the mailing cate of this communication. Fallure to reply which the set or extended premote for reply wit, by statistic cause the application to become ABANCO/ED (35 U.S.C. § 133). Part of the state of the state of the communication, even if limby field, may reduce any seared patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 99 September 20023. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-28 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6) Claim(s) 1-28 is/are allowed. 6) Claim(s) 1-28 is/are allowed. 7) Claim(s) is/are allowed. 7) Claim(s) is/are allowed. 8) The drawing(s) filed on 99 September 2003 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The precification is objected to by the Examiner. 10) The drawing(s) filed on 99 September 2003 is/are: a) accepted or b) objected to by the Examiner. Application Papers 10) All both or declaration is objected to by the Examiner. 10) All both or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § | | | |
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| ## Examiner DAVID Y. ENG 2155 ## Title MAILING DATE of this communication appears on the cover sheet with the correspondence address **Period for Reply** A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Elementor of time may be available under the provisions of 37 CFR 1.136(s). In or event, however, may a reply the timely filed and set Std, 69 Mint Pis formal manipulation and the std, 69 Mint Pis formal manipulation and std, 69 Mint Pis formal manipulation. ### Title Pis formal manipulation and std, 69 Mint Pis formal manipulation. ### Title Pis formal manipulation and std, 69 Mint Pis formal manipulation. ### Title Pis formal manipulation and std, 69 Mint Pis formal manipulation. ### Title Pis formal manipulation and std, 69 Mint Pis formal manipulation. ### Title Pis formal manipulation and std, 69 Mint Pis formal manipulation and std, 69 Mint Pis formal manipulation. ### Title Pis formal manipulation and std, 69 Mint P | دنه. | Application No. | Applicant(s) |
| DAVID Y. ENG DAVID Y. ENG 2155 | | 09/204,585 | TREMBLAY ET AL. |
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extension for term may be available under the provision of 3° CFR 1.136(s). In no event, however, may a reply be timely filed at the 10° CFR of the provision of 3° CFR 1.136(s). In no event, however, may a reply be timely filed at the 10° CFR of the provision of 3° CFR 1.136(s). In no event, however, may a reply be timely filed at the 10° CFR of 10° | Office Action Summary | Examiner | Art Unit |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of them may be available under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filed Extensions of them may be available under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filed Extensions of them may be available under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filed Extensions of them may be available under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filed Extensions of them may be available under the provisions of 37 CFR 1.35(a). In no event, however, may a reply be timely filed I'll No pend of reply is appoiled above, he maximum statutory period vill apply end vill apply and vill apply an | | DAVID Y. ENG | 2155 |
| THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CPR 1.13(q). In no event, however, may a reply be timely filed atter-SIX (8) MONTHS from the mailing date of this communication. It no provides the provision of the communication | The MAILING DATE of this communication app Period for Reply | pears on the cover sheet with the c | correspondence address |
| 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-28 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-28 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to by the Examiner. 10) The specification is objected to by the Examiner. 10) The drawing(s) filed on 09 September 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. §§ 119 and 120 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * O None of: | THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing | 36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE | mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133). |
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| 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. §§ 119 and 120 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 10 Notice of Informal Patent Application (PTO-152) | | | |
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| -, | 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) | 5) Notice of Informal F | |

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Claim 29 has been cancelled. The active claims are 1-28.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 3-14 and 23-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yung in view of Laun.

Claims 2, 15-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yung and Laun further in view of Nashimoto.

Claims 1, 3-14 and 23-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Laun.

Claims 2, 15-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Laun in view of Nashimoto.

Details of the rejection have already been set forth in the last Office action. The details are incorporated herein by reference thereto.

In the communication filed on 9/9/2003, Applicants contended that Yung does not teach register file segments being implemented as addressable arrays and being partitionable into global registers and local registers. On the contrary, Yung clearly points out that a single centralized register file is not ideal (column 6, lines 21-22). His register file system is a hierarchical one which includes global register files and local register files. Those register files are physically partitioned. One of ordinary skill in the art should recognize that a register file can be programmatically partitioned into segments as evidenced by Laun. Whether

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global and local register files are implemented by physically partitioned or programmatically partitioned is a matter of design choice.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

DAVID Y. ENG PRIMARY EXAMINER